

The distribution duct 95 is composed of a main duct 96 having the first sub discharge port 96a and a divergent duct 97 having the second sub discharge port 97a and is divided from the main duct 96. See page 9, lines 10-13.

Clearly, claims 17, 18, and 19 are supported by the elected species, and therefore claims 17, 18, and 19 should not have been withdrawn. Examination of these claims in the next communication is respectfully requested.

Rejections under 35 U.S.C. § 103

Claims 1-5, 8, 9, and 25 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over El-Hamamsy in view of Mimasu. This rejection is respectfully traversed.

A complete discussion of the Examiner's rejection is set forth in the Office Action, and is not being repeated here.

Applicants respectfully submit that independent claim 1 recites a combination of elements in a cooling structure for a plasma lighting system including "a case in which inner components are mounted" and "a fan housing having at least one inlet port and at least two discharge ports having different discharge flow rates for discharging introduced external air into the case with different flow rates from each other in order to cool heat generation components in the case by introducing external air in the case."

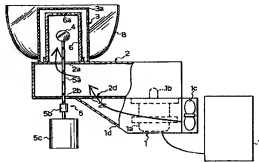
Applicants respectfully submit that this combination of elements as set forth in independent claim 1 is not disclosed or made obvious by the prior art of record, including El-Hamamsy and Mimasu.

The Examiner acknowledges that El-Hamamsy fails to disclose discharge ports having different discharge rates. In order to overcome this deficiency, the Examiner turns to the teachings of Mimasu alleging that Mimasu discloses multiple discharge ports (2a, 2c, 2d) having different discharge flow rates because they have different port sizes (col. 6, ll. 1-10). The Examiner further alleges that it would have been obvious to modify El-Hamamsy in order to cool heat generating elements in the case. Applicants respectfully disagree for a number of reasons.

First, the alleged port 2c and 2d of Mimasu are not discharge ports. Rather, Mimasu discloses an aperture 2d comprised of a plurality of holes 2c for securing communication between the duct 1d and the interior of the waveguide 2 (col. 5, line 67 to col. 6, line 3). As such,

they are provided for securing communication between the duct 1d and the interior of the waveguide 2, not for cooling heat generation components. Rather, the only hole disclosed to providing cooling air to a heating component is power feeding window 2a.

Second, the cooling air generated by the fan is supplied into the blow guide 6 from the power feeding window 2a through the duct 1d, the aperture 2d and the waveguide 2, and blown onto the lamp 4(col. 6, ll. 3-7). See marked-up Fig. 1 on the next page.



discloses holes 2c as having the same size, the combination of El-Hamamsy in view of Mimasu fails to render independent claim 1 obvious.

As such, Applicants respectfully submit that the combination of elements as set forth in independent claim 1 is not disclosed or made obvious by the prior art of record, including El-Hamamsy and Mimasu, for the reasons explained above. Accordingly, reconsideration and withdrawal of this rejection are respectfully requested.

With regard to dependent claims 2-5, 8, 9, and 25, Applicants submit that these claims depend, either directly or indirectly, from independent claim 1, which is allowable for the reasons set forth above, and therefore these claims are allowable based on their dependence from claim 1, as well as for their additionally recited subject matter.

Allowable Subject Matter

The Examiner states that claims 6 and 7 would be allowable if rewritten in independent form.

Applicants thank the Examiner for the early indication of allowable subject matter in this application; however, claims 6 and 7 have not been rewritten in independent form at this time, because it is believed that independent claim 1 from which these claims depend is allowable.

Request for an Interview

Applicants respectfully request an interview between the Examiner and Applicants' representative be conducted before further action is taken by the Examiner in the present application.

CONCLUSION

All of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider all presently outstanding rejections and that they be withdrawn. It is believed that a full and complete response has been made to the outstanding Office Action, and as such, the present application is in condition for allowance.

In view of the above amendment, Applicant believes the pending application is in condition for allowance.

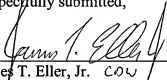
Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Chad D. Wells, Registration No. 50,875 at the telephone number of the undersigned below to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Director is hereby authorized in this, concurrent, and future replies to charge any fees required during the pendency of the above-identified application or credit any overpayment to Deposit Account No. 02-2448.

Dated: December 9, 2010

Respectfully submitted,

By



James T. Eller, Jr. *CDW*

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